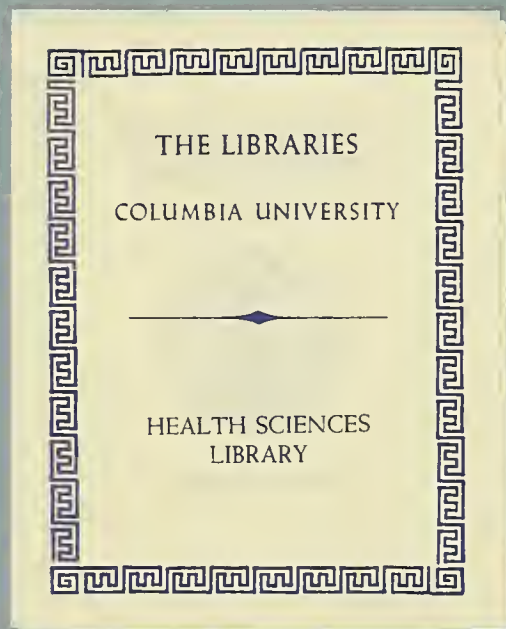


**DENTAL COLUMBIAN**

**1950**

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1950



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The 1950

# DENTAL COLUMBIAN . . . . .

PUBLISHED BY THE SENIOR CLASS  
COLUMBIA UNIVERSITY SCHOOL OF  
DENTAL AND ORAL SURGERY OF  
THE FACULTY OF MEDICINE.





DWIGHT DAVID EISENHOWER, LL.D.

*President of the University*

WILLARD COLE RAPPLEYE,

A.M., M.D., SC.D.

*Vice President of the University  
in Charge of Medical Affairs  
Dean of the Faculty of Medicine*





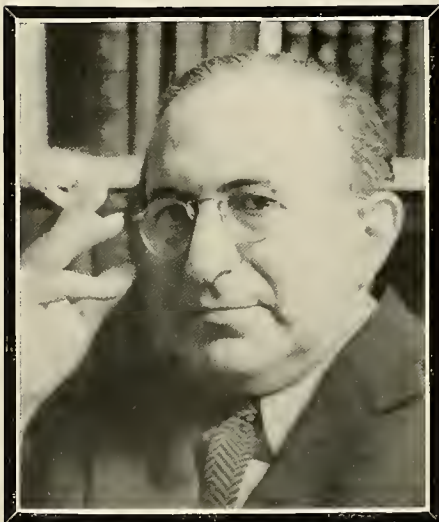
MAURICE J. HICKEY, D.M.D., M.D.

*Associate Dean of the Faculty of Medicine,  
for Dental and Oral Surgery; Executive  
Officer, Department of Dentistry; Professor  
of Surgery.*

To Dr. Hickey, the class of 1950, as the first class to graduate since his installation as Dean, extends its wishes for his continued success.



*With a deep sense of personal loss, the class of 1950 respectfully dedicates this volume to the memory of two men claimed by sudden death within a few weeks of each other; one an internationally famous member of the faculty, the other a true friend and classmate;—each a credit to humanity and dentistry.*



DR. MOSES DIAMOND, D.D.S.  
1894—1949

Associate Professor of Anatomy, Fellow of the International College of Dentistry, a member of Sigma Xi, The Academy of Science, and the International Association for Dental Research, and recipient of the Lord-Chaim Prize for 1941. Dr. Diamond was one of the true pioneers in modern dentistry, respected by his colleagues, revered by his students.



DANA ELLSWORTH COOK  
1925—1949

Possessor of no degrees or honors, met by death before a successful career could begin to blossom, he was, however, enriched with a brilliantly warm, soft-spoken sense of humor and a truly sincere faith in goodness and right that penetrated and humbled all who came in contact with him.





# Faculty .....

# Operative Dentistry



CARL R. OMAN, D.D.S.  
*Prof. of Dentistry*

The task confronting the future generation of dentists is the development of preventive measures as an adjunct to and possibly supplanting control methods now practiced and emphasized for the past one hundred years.

We are not unmindful of the strides made in preventive dentistry. We look forward with hope to the promise of some means of combatting and preventing the development of dental caries. The application of sodium fluoride to the teeth of children is one procedure which is recognized to be of value and several communities have established long range programs where the teeth of children receive this care. Also fluorine in the concentration of one part to a million has been added to the water supply. The use of other technics, such as the impregnation process where an insoluble precipitate is deposited on the surface of the tooth by chemical action, are interesting phases of the fight against dental caries.

We must not overlook one of the most important considerations of all—the proper care and maintenance of mouth hygiene. Most dentifrices today are fortified by the addition of dibasic ammonium phosphate and carbanide which act to inhibit the growth of acid producing *Lactobacillus Acidophilus*, thus tending to reduce tooth caries.

Behind all of this and perhaps of greater import is the attempt to regulate by means of proper diet and the absorption by the tissues of those elements which help to produce teeth which are resistant to caries.

The practice of preventive dentistry as interpreted by your Operative Division comprises the teaching of the early recognition of caries, the placing of such restorations as will seal the margins effectively, will restore anatomy and function, and the relation of each tooth with its neighbors. This is a tremendous factor in the prevention of periodontoclasia. The health of the gingival tissue is promoted and maintained when surfaces are continuous and smooth, where proper embrasures are provided and the contact is so placed and tight enough to prevent the wedging of food particles into the interproximal areas.

The aim of the dentist who is truly conscientious is to save each tooth in health throughout life. Frequently, through accident or delayed care, the pulp is involved and endodontia must be resorted to. Here again through fine technic and careful operating the tooth can be retained for many years.

The loss of even a single tooth is a major catastrophe and every effort must be made to prevent the natural consequences of such a misfortune. To this end, your operative teachers are giving their best efforts that you, as graduates of this school, shall know and be able to practice those principles which prevent the loss of human teeth and thus contribute to the happiness and well being of mankind.

Our best wishes for a happy and successful future to the members of the graduating class of 1930.

CARL R. OMAN



Irvin L. Hunt D.D.S.  
*Assoc. Prof. of Dentistry*



G. F. Lindig D.D.S.  
*Assist. Clin. Prof. of  
Dentistry*



Daniel M. Kollen D.D.S.  
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Wm. Silverstein D.D.S.  
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J. W. Benfield  
A.B., D.D.S.  
*Inst. in Dentistry*



E. A. Cain B.S., D.D.S.  
*Inst. in Dentistry*



H. P. Fritz B.S., D.D.S.  
*Inst. in Dentistry*



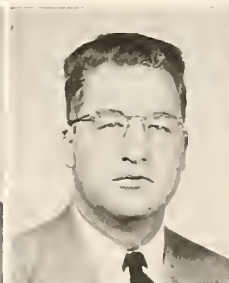
Wm. Miller B.S., D.D.S.  
*Inst. in Dentistry*



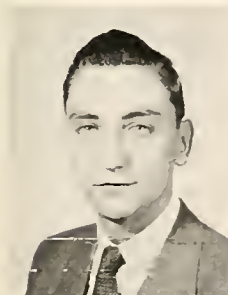
H. Sherman B.S., D.D.S.  
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Joseph Leavitt D.D.S.  
*Vol. Assist. in Dentistry*



Wm. Raebeck Jr. D.D.S.  
*Vol. Assist. in Dentistry*



GILBERT P. SMITH, D.D.S.  
*Prof. of Dentistry*

## Prosthetic Dentistry

The field of Prosthetics in dentistry is by definition "the restoration of missing teeth by artificial means" and is generally considered primarily "restorative" rather than "preventive." It would seem from this that Prosthetics does not fit in with this year's "Dental Columbian's" theme of "prevention." On first thought the edentulous patient's loss is complete and beyond the possibility of preventive service. The prosthodontist's aim is to replace the missing teeth with artificial dentures that will give the patient function, comfort and satisfactory appearance. This also implies that oral tissue health be maintained and that degenerative changes in the supporting tissues and structures be retarded. Dentures must be so fashioned as to maintain stresses within the tolerance of those tissues and to function in harmony with the mandibular joint and musculature. Muscle tone and normal facial expression should be preserved. Modern artificial dentures should prevent many of the discomforts and vicissitudes accompanying the edentulous state.

The role of prevention is even more apparent in the field of partial dentures, both fixed and removable. The extraction of a single tooth is of great importance; changes that may result from its loss snowball into destructive processes of major proportions.

As the number of teeth lost increases the problem grows progressively more complicated. These changes may be prevented to a large degree by an adequate prosthesis. Well planned and carefully executed dental restorations have a definite preventive function.

The success of the dental restoration, whether it be the replacement of part of an individual tooth or a complicated mouth rehabilitation, is dependent upon proper observance of established principles and procedures. Intimate knowledge of the structure, form and function of the tissues involved is imperative. Familiarity with materials and techniques to be used is essential. The good dental restoration executed with true consideration of tissue tolerance, harmony of function and precision plays a major role in real preventive dentistry.

The hope of the Prosthodontia Staff is that they have contributed in some part to the training and character of the members of the graduating class so that they will enter practice well equipped to serve the public in their chosen profession and to approach the goal of true preventive dentistry. We all join in wishing the Class of 1950 success and happiness.

GILBERT P. SMITH





Max Pleasure  
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Louis A. Cohn D.D.S.  
*Assist. Clin. Prof. of  
Dentistry*



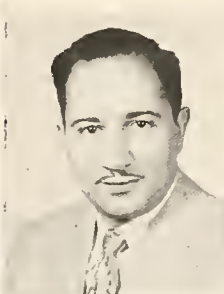
Oscar E. Beder  
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*Inst. in Dentistry*



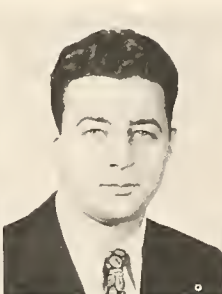
William J. Miller  
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S. A. Bruno D.D.S.  
*Clin. Asst. in Dentistry*



Lewis R. Stowe D.D.S.  
*Prof. of Dentistry, Head of  
Div. of Stomatology*

## Division of Stomatology

Subsequent to the last issue of the Dental Columbian, in 1948 to be exact, the Division of Stomatology was established. The former Divisions of Oral Diagnosis, Radiology, and Periodontia became sections under the new Division.

The object of this consolidation was to improve the correlation between the diagnosis and treatment of diseases of the oral cavity. It was also hoped that under the new organization more intimate participation of the members of the various staffs would be stimulated in teaching the important relationships between systemic and oral disease.

The increasing number of patients with oral lesions of obscure or unknown etiology seen in our clinic makes such cooperation essential. Under the new Division of Stomatology the valuable facilities of this Center can and are more efficiently utilized to the benefit of both student and patient.

LEWIS R. STOWE

## Diagnosis and Radiology

Diagnosis has become increasingly acknowledged as the foremost prerequisite for skillful practice in dentistry whether general or specialized. It is with this "modern" philosophy in mind that we have instituted and developed a more basic and scientific approach to the study and diagnosis of the many diseases and abnormalities observed in and around the oral cavity. The dissemination of this attitude to our undergraduate students has been facilitated immeasurably by "Diagnosis Seminar" instruction. With the emphasis on basic fundamentals, oral-systemic disease relationships and differential diagnosis, the recent research advances in the etiology, pathogenesis and therapy of specific diseases are most easily digested and assimilated.

EDWARD V. ZEGARELLI



Edward V. Zegarelli  
A.B., D.D.S., M.S.  
*Assoc. Prof. of Dentistry, Head  
of Diagnosis and Radiology*



Joseph A. Cuttita  
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*Assist. Prof. of Dentistry*



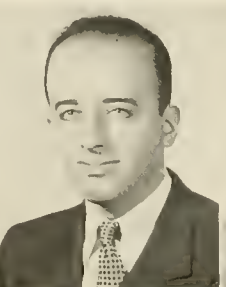
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John D. Piro D.D.S.  
*Clin. Assist. in Dentistry*



Evald Linder  
*Inst. in Radiology*





F. E. Beube L.D.S., D.D.S.  
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 Head of Periodontology*



Saul Schluger D.D.S.  
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 Dentistry*



Wm. A. Theman D.D.S.  
*Inst. in Dentistry*



Samuel Drellich D.D.S.  
*Inst. in Dentistry*



L. Hirschfield A.B., D.D.S.  
*Inst. in Dentistry*

## Periodontology

During the past half-century, many advances have been made, through clinical and animal research, in the physiology and histopathology of the periodontium. But the status of basic methods of treatment for, and incidence of gingivitis due to local irritants, periodontitis and periodontosis has remained relatively unchanged except for refinement of instruments and technics. This is partly due to the fact that these oral conditions have not been sufficiently prevented because the etiology of periodontosis is still unknown.

Another factor which has aborted the control of gingivitis and periodontitis and maintained the status quo of treatment, is the lack of information on the mechanism of the origin and formation of calculus.

When etiological factors involved in these conditions become known, courses in periodontology will change from the present emphasis on remedial procedures to the teaching of preventive dentistry.

FRANK E. BEUBE



Edmund Applebaum  
 D.D.S.  
*Assist. Prof. of Dentistry*



Joseph A. Cuttita  
 A.B., M.S., D.D.S.  
*Assist. Prof. of Dentistry*



Alexander Selig D.D.S.  
*Assist. in Dental Anatomy*

## Oral Anatomy



H. F. Silvers B.S., D.D.S.  
*Research Assoc. in  
 Dentistry*



Austin H. Kutscher  
 A.B., D.D.S.  
*Vol. Clin. Assist. in  
 Dentistry*



George Stein D.M.D.  
*Research Assoc. in  
 Dentistry*

## Clinical Research



Arthur C. Totten D.D.S.  
Prof. of Dentistry



Harry A. Galton D.D.S.  
Assist. Clin. Prof. of  
Dentistry



E. G. Murphy D.D.S.  
Assoc. Clin. Prof. of  
Dentistry



James Jay D.D.S.  
Inst. in Dentistry

## Orthodontics

Prevention in Orthodontics is primarily the duty of the general practitioner. It is he who is responsible for the health of the oral cavity and not the specialist. A comprehensive knowledge of the body as a whole is a prerequisite to the complete understanding of the orthodontic problem. The incidence of malocclusion could be effectively reduced if the general practitioner recognized incipient malocclusions and instituted corrective measures. It is the desire of this division to present to its undergraduate students definite methods for the practical application of orthodontic procedures to general dental practice.

ARTHUR C. TOTTEN



Alex Hanson  
Inst. in Dental Technic

## Pedodontics

The present trend of Dentistry is toward the attainment of a high degree of perfection in restoration with little concern as regards prevention of the cause of increasing dental destruction—dental disease. It is becoming more apparent that, during childhood, when these destructive forces are being assembled, we are approaching a crisis as the result of dwindling efforts to thwart these processes. PREVENTION must be our watchword and for this service every member of our profession must be drafted. Auxiliary forces are available which must be trained appropriately and adequately to further general education as to the practical application of accepted preventive measures.

In this health crusade, as in our present international political struggle, we are encountering a most powerful enemy, anism, which must be eliminated for all time. It is apallism.

E. C. McBEATH



Ewing C. McBeath  
D.D.S., B.S., B.M., M.D.  
Prof. of Dentistry



S. N. Rosenstein  
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Assoc. Prof. of Dentistry



William A. Verlin  
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Julian Schroff  
B.S., D.D.S.  
Clin. Assist. in Dentistry



E. S. Luboja D.D.S.  
Clin. Assist. in Dentistry

## Oral Surgery



Samuel Birenbach D.D.S.  
*Assoc. Prof. of Dentistry*



Joseph Schroff  
B.S., M.D., D.D.S.  
*Assoc. Prof. of Dentistry*



Adolph Berger D.D.S.  
*William Carr Prof. of  
Oral Surgery*

Oral Surgery is a specialty in Dentistry. It has been taught in the Dental Schools only and has been developed primarily by dentists. Oral Surgery has been brought to its present standing through the efforts of men in the dental profession. Whether we keep oral surgery as a specialty of dentistry, or whether it is relegated to a relatively minor place in the field of general surgery is entirely up to us. If we are to continue to practice our specialty under the full scope of its definition then we must take steps to provide the educational facilities that will make it possible for oral surgeons to receive the same recognition given to the other surgical specialties. We must set up standards of practice well above reproach. We must do everything possible to eliminate the incompetent, discourage the overnight specialist, and give every possible encouragement to those seriously interested in becoming oral surgeons. We must open the possibilities for men in our field to receive training comparable in scope to other surgical specialties. That is our objective. That is our goal.

SAMUEL BIRENBACH



W. J. Savoy B.S., D.D.S.  
*Assist. Clin. Prof. of  
Dentistry*



Frank E. Dixon  
B.S., D.D.S.  
*Inst. in Oral Surgery*



Robert C. Devine  
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*Inst. in Oral Surgery*



Stanley L. Lane  
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*Inst. in Oral Surgery*



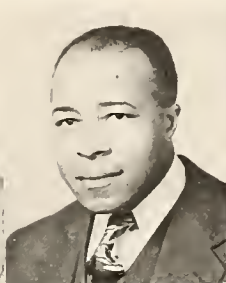
Morris Kavelle  
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Fred Rothenberg  
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*Inst. in Oral Surgery*



Morris Fierstein D.D.S.  
*Vol. Clin. Assist. in  
Oral Surgery*



T. M. Bundrant D.D.S.  
*Inst. in Oral Surgery*



Boaz Shattan  
A.B., D.D.S.  
*Inst. in Oral Surgery*



## Dental Materials

Herbert D. Ayers, Jr.  
A.B., D.D.S.  
*Inst. in Dentistry*



Vital oral tissues have proven to be an essential tool in the testing of dental procedures. Among the standards required for the use of tissue as a measure or control are hardness and permeability of tooth structures, and histology of the dental pulp, oral soft tissue and bone. Using this basis, a broad program of study is developing here. It will relate techniques and restorative material to their effect on the tissues and clarify the rationale of various accepted methods.

HERBERT D. AYERS, JR.

## Dental History

William H. Leak D.D.S.  
*Curator of Museum*



Because of the almost universal affliction of people with dental troubles, some men very early in history began to devote their major activities to care of the teeth and of the mouth.

The mechanics necessarily used to attain results in the care of the teeth have developed along high scientific lines. As a result some men have lost sight of the real objectives of dentistry; the relief of pain and aid to proper digestion and to the prevention of general systemic diseases.

Our museum with an abundance of material, offers opportunity for demonstrating how dentists in the past one hundred and fifty years have had these factors in mind.

WILLIAM H. LEAK

## Oral Pathology



Lester R. Cahn D.D.S. H. A. Bartels B.S., D.D.S.  
*Assoc. Prof. of Dental Pathology* *Assist. Prof. of Dental Pathology*

## Bacteriology



Theodor Rosebury D.D.S.  
*Assoc. Prof. of Bacteriology*

## Biochemistry



Maxwell Karshan  
B.S., A.M., Ph.D.  
*Assoc. Prof. of Biochemistry*



Samuel R. Detwiler  
Ph.B., A.M., Ph.D., M.S.  
*Prof. of Anatomy*



Philip E. Smith  
B.S., M.S., Ph.D.  
*Prof. of Anatomy*



A. E. Severinghaus  
A.M., Ph.D.  
*Assoc. Prof. of Anatomy*



W. M. Copenhaver  
A.B., Ph.D.  
*Assoc. Prof. of Anatomy*

## Anatomy



William M. Rogers  
B.S., Ph.D.  
*Assist. Prof. of Anatomy*



H. H. Shapiro D.M.D.  
*Assist. Prof. of Anatomy*



Henry Milch A.B., M.D.  
*Inst. in Anatomy*



Julius K. Littman M.D.  
*Inst. in Anatomy*



Magnus I. Gregersen  
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*Dalton Prof. of Physiology*



W. S. Root B.S., Ph.D.  
*Assoc. Prof. of Physiology*



John L. Nickerson  
B.A., M.A., Ph.D.  
*Assoc. Prof. of Physiology*



Shih-Chun Wang  
B.S., M.D., Ph.D.  
*Assist. Prof. of Physiology*

## Physiology

## Pharmacology



H. B. Van Dyke Ph.D., M.D.  
*Hosack Prof. of Pharmacology*



Alfred Gellhorn M.D.  
*Assoc. Prof. of Pharmacology*

## Neuroanatomy



Adolph Elwyn B.S., A.M.  
*Assoc. Prof. of Neuroanatomy*



L. V. Lyons M.D.  
*Assoc. in Neurology*

# Administrative and



Paulette  
Ganne



Eleanor  
Koepchen



Ann  
Emmerich



Edah  
Hedden



Virginia  
Lewis



Jane  
Broschous

Florence  
Moore

Madeline  
Van Slycke

Angela  
Borque

Sigrid  
Linder

Hedy  
Lang

Jeanne  
Williams



Sophia  
Wierse



Ruth  
Jobson



Anne  
Barrett



Muriel  
Mulhaus



Ruth  
Peiper



Sally  
Webster



Ruth  
Dean



Leona  
Lewis



Ingeborg  
Ranges



Caryl  
Leibler



Lorette  
Gesswin



Mary  
Ruffalo



Joan  
Kamine



Yvette  
Frisch



Colleen  
Simbulan



Josephine  
Mazzola



Florence  
Flood



Edna  
McNeil



# Clinical Personnel



Mary Ann  
Ward



Elsie Boyd  
Szalkowski



Rose  
Tarantino



Shirley  
Westrope



Rosina  
Seminero



Ellen  
Bruso



Carol  
Muller



Marion  
Weisman



Vicki  
Fiorino



Lillian  
Harvey



Joan  
Nass



Frances  
Amrein



Margaret  
Vanderbilt



Bridget  
Dever



Roslyn  
Friedland



Anthony  
Trongone



Alexander  
Castaneda



Albert  
Katona

## Technicians

## Purchasing



Richard  
Wehrhahn



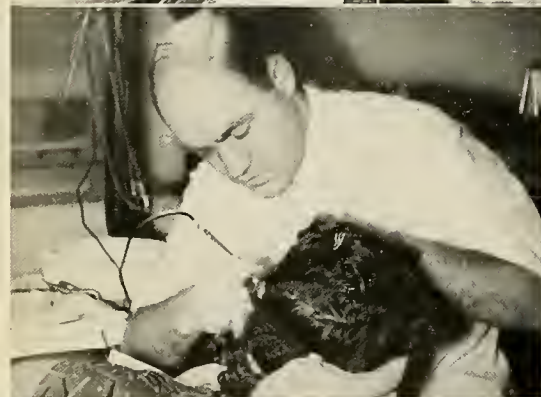
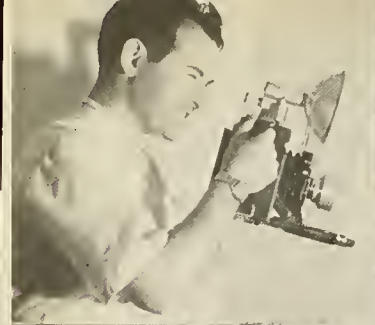
Charles  
Howe



Robert  
Wrong



Nicholas  
Vero





## Classes . . . . .



# Class of 1950

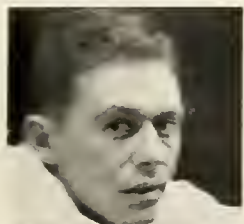


# Class History

*This is a history of a class and as such it will contain the lighthearted little flashes of experience that people like to remember in thumbing through a yearbook twenty years later. As for the more sober side of the ledger—the ever present personal crises that day after day appeared for each of us—the fears and the intense disappointments—and finally the deeply gratifying satisfactions that compensate, will have to remain hidden between the lines, because no written word is necessary for us to remember them.*

## REDUCIO AD ABSURDUM

As it must eventually, graduation comes this year to us, too. What is it? Tansky (1) defines graduation as, "That climacteric condition, of psychogenic origin, exclusively male incidence, which results over a four year period from an insidious dissolution of finances, a complete degradation of stability and good humor that is characterized by hypertrophy of the gelatinous fibres of Moral, a thickened stratum corneum, and varied schizoid tendencies. Predisposing factors are; entire necrosis of good



*Comprehensive's Today!*

sense, neoplastic ambition and the cerebrum being ectopically located in the muscularis layer of the pelvic colon. Cicatrices resulting are: self-pity, misanthropic personalities, endocrine dysfunction and jaundiced eye. The lesion abates spontaneously, without remission, at which time the patient is apt to remark, 'It wasn't so bad!' (Note aforementioned schizoid tendencies.) At this time electro-encephalograms are indicated."

If it wasn't so bad it was simply because we never stopped breathing. The low points at best chaotic—the high spots are what we will remember.  
*Freshman Year:*

Anatomy: The practicals; the anomalies; Dr. Rogers' safaris to the tenth floor lab; the lymphatic demonstration; Barlow's galloping in on an injured leg; the odor.

Histology: Dr. Copenhaver's quiet consideration; the punctures; the cigarette holders.

Embryology: Dr. Detwiler's salamanders waving at the cinema audience.

Biochemistry: Jussim's yawning the unknowns; the paraffin.

Oral Anatomy: The futility; the moaning; the verse; the geometric blocks; the misery.

Neuroanatomy: Also the futility; the decussations; the lights going on all of a sudden; the echo.

Physiology: The futility plus the decerebration and decortication; Allen's search for something in the sprinkler system; Enid's help and

explanation; the canulas; the kymographs; "This fisology; Not natomee."

- (1) Tansky, Joe; *Frontal Lobotomy and the Dental Student*; Am. Jour. of Idiosyncrasies; June, 1950.

*Sophomore Year:*

Bacteriology: Watching Frances; Jack's bout with the wee timorous beaste.

Pathology: The objections to Saturday morning absences; Bob Gorlin's peripatetic lectures; the drawings.

Prosthetics: Dr. Pleasure's analogies and request for the Class President; "Are you making dentures for a squirrel?"

Dental Materials: The buckshot; the eutectiforousness of it all.

Crown and Bridge: Joe's "sodder;" Howie's fabrication of an abutment to fit a casting.

Partial: Al's feeding partials to the casting machine like quarters to a one-armed bandit.

*Junior Year:*

Applied Anatomy: Dr. Shapiro's energy: "Petrous portion of the temporal bone."

Crown and Bridge: "You gentlemen work hard this year and you'll be all finished with your requirements early next year;" the pulps; the lacerated gingivae.

Occlusal Dynamics: The shoes; the alginate impression without bubbles.

Diagnosis: The x-ray exams.

Medicine: "A patient walks into your office on his hands; he has two heads, lordosis, high urinary N.P.N. and seven rows of teeth: What do you think of first? You say the fire-escape? That's correct!" Letchworth Village and the nickel beers; Joe's abject apology that his head wasn't as big as a pumpkin.

Surgery: Dowling's sublaxations.

*Senior Year:*

"Gentlemen: We have revised the requirements!"

Jussim's slow burn at not being able to find anything in his kit—it wasn't even his kit; Lennie's wife contributing to Dental Student's Magazine; Herbie's dens in impression extractions; Dr. Pleasure's quest for the ever-elusive "Optical Plane"; and so on, ad infinitum.

The staff has sung our praises and damned our inadequacies; they've called us the best class and the worst. We're no different; classes are classes. Instructors don't change either—except their minds.

Class histories customarily endow the under-classmen with legacies of a sort, humorous or otherwise. To the underclassmen we leave nothing—what's left?

We should like to dedicate our history to our wives and families. Let this be said of them: "They had to live with us!"

ARTHUR J. NEBEL





ARMANDO EDMONDO ANDREOZZI

One of "Poor Little Rhode Island's" favorite sons, Eddie is as popular at Columbia as he was at Brown and Tufts. Always busy with extra-curricular activities, Eddie is in Psi Omega and has had the pleasure of holding key positions in his class, Student Council, and Dental Abstracts. His biggest problem is getting to class on time, for he claims the trip from the north side of 168 St. to the south side is awfully long at 9 A.M. Operative is his forté; through his unit pass the most beautiful Class II inlays. Eddie plans a private practice in Providence and no doubt will do very well.



CARL MORTON BARLOW

Mickey is undoubtedly one of the busiest members of the class. After a day's work in the clinic he hops the subway for a quick trip to Hunter College, where he teaches the co-eds physiology, then home to delve into his pile of current literature on dentistry, medicine, and physiology. Always up to date on science, Mick has participated in much research in the P&S physiology lab and has had a paper published in the Journal of Comparative Neurology. An NYU graduate, member of Jarvie and AO and a contributor to Abstracts, Mick may very well make his mark in the research he does so well.



LOUIS BUSLOWE

Far from being a "poor little sheep," "Bus" nevertheless hails from "the place where Louie dwelt"—good old Eli. An "Old Blue" from way back, Lou blew his top when Len Sherr's Wisconsin team beat a favored Bulldog eleven on the gridiron and Lou lost a fortune (two burs and a sulci disc) in a wager. An Intelligence Captain in the war because of his thorough knowledge of German, rumor has it that he was responsible for the Allied victory. Junior year Secretary of Student Council and always good for a laugh, Lou won't be forgotten for the many humorous moments he brought us with his "At ease men" and "As you were!"



HYMAN ALLAN CITRON

With a wit as sharp as a diamond disc, Hy has managed to keep staff and students in stitches all these years without once altering that poker face of his. Although spending much of his time, since he married, in a phone booth talking to Claire, he has managed to hold down an Editorship on Abstracts and is President of Jarvie. When not busy ad-libbing or combing and stroking those golden locks of hair, Hy can spend hours giving you all the dope on basketball at CCNY, where he received his BS before coming to Columbia. With a junior internship as background, Hy will enter a practice immediately.



JAMES GLENVILLE DOWLING

Jim will be as well remembered for his good looks as for his two sub-luxations of the mandible in so short a span of time. After receiving his undergraduate instruction at Fordham and St. Lawrence Universities, Jim, handsomest member of the class, entered the Navy where he served as Executive Officer on an LST. He liked the Navy so well that he plans to return to it as a Dental Officer for a short time before eventually developing a practice in his home town of Fairfield, Conn. As Secretary-Treasurer of the Senior Class, Jim is the fellow who collects the quarters everytime a baby is born or one of us gets married.



FRANCIS JOHN FITZ-GIBBON

Someday to be the famous son of a famous father, "Fitz" first earned distinction as a prosthodontist, at the school dance in the Freshman Year, when he scared all the women with a set of dentures "a la Mortimer Snerd." An alumnus of Providence College, and hailing from Holyoke, Mass., Fitz returned to Columbia after a stint in the Navy as a Communications Officer. Like so many others, he joined our class a bachelor and now bears the burdens of a married man . . . not that he minds it at all! Member of Psi Omega and Secretary-Treasurer in the junior year, Fitz will return to Holyoke to start a practice.



MURRAY FURGANG

"All-City Furry Murgang" came to us from CCNY, NYU, Fordham and St. John's, and served in the Army as well. As Tansky's room-mate he became so accustomed to living with a Tansky, he married one: Joe's sister! So timely was the wedding that apartment hunting wasn't necessary, thus leaving plenty of time for the fishing, hiking, and drumming Murray enjoys so much. Earning his way thru school by playing in a dance band, Murray occasionally tears himself away from his hobbies, Citron and Harris, to turn out a few articles for Dental Abstracts. The class tall-man, Furry enjoys a good game of basketball or a nice long walk to the Tansky's after dinner.



WILLIAM WATKINS HARNETT

Bill hails from Englewood, N. J., and makes the daily run to Columbia in Ed Henrich's Shanks Express. Before coming to dental school Bill attended Hanover College in Indiana and Columbia in NYC. He gained valuable experience in the US Navy as a dental technician and obviously has not let it go to waste, as his skill will attest. Alert and sharp-witted, Bill is quick to defend his midget English Ford against all cracks, and has managed to hold his own. A member of Psi Omega Fraternity, Bill is anxiously looking forward to an associateship he has in mind in New England.





### STANFORD HARRIS

Bing Crosby and Stan have one thing in common . . . Gonzaga University as their alma mater. But Stan is one up on Bing, having attended CCNY and Washington University as well. Utilizing his experience as a Navy dental technician in good stead, Stan developed into a top-notch student and became Junior Class Vice-President, and Treasurer of the Jarvie Society. While listing Citron and Furgang among his hobbies, Stan is also a frequent contributor to Abstracts. However, more important lately are his extra-curricular activities at "Horty's House," and his plans for interning before starting a practice.



### EDWIN JOHN HENRICH

Starting out as co-pilot on a lead bomber in the ETO, Ed is still leading the flock with his facility for point-getting and for knocking out preps "a la rapidamenta." Versatile is the word, for Ed is as proficient in music and ceramics as he is in dentistry, and is the designer of the compartment tray in No. 2 drawer. Claiming NYU, Buffalo, and Cornell as his "alma maters," Ed plans more schooling in the future and may specialize in orthodontics. The recent three-inch increase in his chest expansion is due to his mastering of some new techniques involving three-cornered haberdashery. Reason? A new son!



HERBERT BARRE JACKLYN

The best audience for any would-be Joe Miller is our boy Herb. With a sense of humor for no apologies, Herb appreciatively lets go with his hearty laughter at the first provocation of a joke, and makes you feel great. Former CCNY student, he brought all his enthusiasm with him when he made the trip uptown to tackle cadavers and cavity preparations, and really puts it to use when he jumps into a hot discussion with Jussim. Herb of the unparalleled "Three J's," is also in AO and Jarvie; and not satisfied with just sitting around during the summer breaks, he takes long bicycle trips around the country side just for the exercise. With surgery in mind, Herb internes at Montefiore Hospital next year.



CORNELIUS WILLIS JENKINS, JR.

Connie, the mediator of the closed corporation of the "Three J's," Jacklyn, Jussim, and Jenkins, came to us from Lincoln University where he received his AB degree. A fine athlete, (one of the charter members of the Bard Hall Scroungers) and one of the most popular men of the class, he is a steady craftsman who gets things done, never singing the blues to his classmates. Connie has been a steady contributor to Dental Abstracts and was Vice-President of our Freshman Class. A walking diagnostic dictionary, if there ever was one, Connie is looking forward to an internship before setting up practice.





#### JULIUS JUSSIM

Julius is one of the class' most versatile members. After receiving his BS at CCNY and taking further graduate work at Ohio State in Bacteriology, he specialized in radar maintenance in the Navy. As a dental student "par excellence," few will forget the enthusiasm with which he tackled biochem in the Freshman year, his copper-plating machine in the Sophomore year, and his compact pneumatic pump for gold foil this year. A member of Jarvie, Julius is a former Student Council member who is now an Editor of Dental Abstracts, and will always be remembered for that Lindy he performed for all at the annual school dance.



#### MAYNARD WESLEY LEMROW

If you care to hear both sides of an argument on unification from the same man, Maynard is the one who can give them to you. A former naval officer, he is now on active duty as a Dental Corps Reserve Officer and will enter the service after graduation. Member of the snapshot-swapping papa group, Maynard holds a commuting record, having made daily round-trips from Bridgeport, Conn. all through the first two years. Having studied at Betheny and Westminster Colleges, he is one of our more settled and stable classmates. Busy with Student Council both the junior and senior years, Maynard has still managed to keep the class well supplied with jackets and copperplated dies all along.



#### GEORGE HENRY LOEFFLER

An alumnus of Manhattan College and the USCG, George is best described as steady and cool. Capable of casting partials all year long with the nonchalance of an old technician and a golf addict who can shoot in the low 80's, he is really hep! Junior Class President, member of Jarvie and Student Council, and contributor to Dental Columbian, GHL's preparation for dental school included a hurry-up Organic course at 116 St. and a honeymoon just before class started. His return to school last fall to knock out preps like mad resulted from a summer's junior internship at Creedmore.



#### CHARLES LESTER LEVINE

Looking for a joke? Ask Chuck! He has a million of them in a repertoire developed during tours of study at CCNY, Michigan, Ohio, and Wisconsin, not to mention the US Army. Coming to Columbia post-war, Chuck became Vice-President of the class in the second year and was a frequent contributor to Abstracts and Dental Columbian. Mild-mannered and the perfect gentleman, Chuck's pleasantness and eagerness to help anyone at any time resulted in his great popularity. Entering the lime-light with an article in Dental Students Mag, Chuck repeated a short time later with the birth of a son. Plans? A residency in Pilgrim State Hospital.



PHILIP PATRICK McMANUS, JR.

Should you hear a blood-curdling "Who stole my debubblizer?" emanating from some luxurious office in mid-Manhattan, drop in, and you can bet your boots you'll find our boy, "Mac." He just won't give up! Hailing from Illinois where he received his AB at the state university, Phil made his way to New York by way of the Pacific Ocean and a tour of duty with the Navy as a Navigation Officer. As Freshman Class Representative he helped steer Student Council activities, and is now running Psi Omega as its President. Married and mellow, and master of the Moore's mandrel, when they pick the good ones, "I nominate McManus."



GEORGE MENKEN

"Through these portals pass the Menkens," and George is another of the long line of Menken dentists passing through. And like his predecessors George, too, is a member of Jarvie and AO, class representative to Student Council and a contributor to Abstracts. He is also responsible for your reading this piece, being the Business Manager of Dental Columbian who collects the fees and pays the bills. Graduation from two schools this year, (Queens College gives George his BS while Columbia tenders the DDS) exemplifies his way of doing things in a hurry. Though one of the youngest in the class, like brother and dad, George has made his mark at Columbia.



ARTHUR JOHN NEBEL, JR.

Art's dry, piercing wit can always be counted on at the appropriate moment to break that "senior year tension" and send everyone into quells of laughter. Father of two sons, and a former Air Force Bombardier, Art is an alumnus of Centre, Columbia and Grove City Colleges. Not one for growing soft, he spends his summers as an ironworker, and during the cold winter months likes to play ball a few nights a week before making that long trek to Elizabeth, N. J. Vice-President of the Senior Class, member of Jarvie, and on the staff of the Dental Columbian, Art will soon be one of New Jersey's leading practitioners.



JOHN JOSEPH O'LOUGHLIN

If you should ever take a driving lesson and notice a House Articulator on the back seat, it's dollars to doughnuts that your instructor is Jack O'Loughlin, Auto Instructor and Dental Student par excellence. Securing his B.S. at Fordham after work at Holy Cross and Notre Dame, Jack earned the title of "Mouseman" at Columbia, when a mouse turned the tables and inoculated him in Dr. Rosebury's buggy paradise. Daddy of two girls, Jack is engaging in numerous activities: President of the Student Council, former Class President, contributor to Abstracts, and member of the business staff of Dental Columbian. An internship last year at St. Vincent's Hospital was the first step in establishing his practice in Surgery.





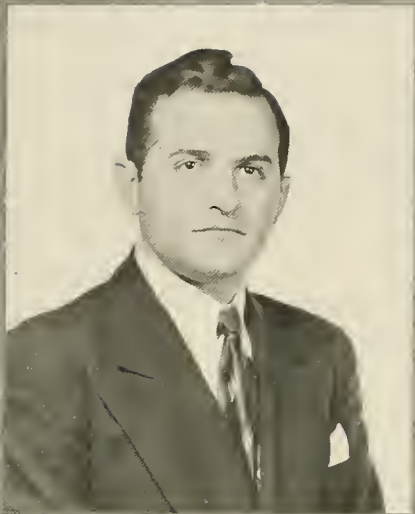
ALAN SAUL POMERANCE

With Al present, a capable manager was never lacking at class and school affairs, for in addition to being a dentist by vocation, he is, by avocation, a first class pianist and lyricist. Having earned his AB attending Brooklyn College and Brown University as a Navy V12, Al came to Columbia and settled down to turning out shiny inlays and catchless foils. Almost the center of an international situation, he managed to complete his comprehensive case just before her Venezuelan visa ran out. Co-editor of Dental Columbian, contributor to Abstracts, and AO member, Al will interne next year at Montefiore Hospital.



MICHAEL ARCHANGEL RUSSO

Big and friendly, Mike came to us straight from India where he served as an Air Force Weather Officer. The most relaxed dental student ever, Mike makes struggling for requirements, Editorship of Dental Columbian, and commuting to Jersey look easy. Hailing from Brown, MIT, and Fordham, his alma mater, he is a member of Jarvie and a former Class President. Also a proud papa, "Big Mike" spends a great deal of time relating about "Little Mike" and their mutual interests. Since Florence served as a very popular assistant in Oral Surgery, Mike has been on the "in" and is a favorite son down there.



SOL SAVAD

Equally as proficient with camera and flash-gun as with handpiece and contra-angle, Sol is responsible for a good deal of our audio-visual education; for who else can run the projectors? A member of AO as well as Jarvie, Sol, a Brooklyn College grad, is also an Editor of both Abstracts and Dental Columbian and a former Class Representative. Always busy as a bee, and a wire bender by second nature, he is the designer of a more efficient kymograph recording arm now in use in Physiology. Having had much experience as an orthodontic technician, Sol now plans to enter the practice of orthodontics in which an associateship awaits him.



STANLEY IRVING SCHWARTZ

Stan grabbed his AB at Bard, hopped the Hudson River Day Line at Poughkeepsie and disembarked beneath the George Washington Bridge to enter our ranks. Never a growler, ready with a smile and a joke at all times, he has been a class favorite always. Stan is actively engaged in Jarvie, AO, Student Council and Bachelorhood and claims he feels like a "golf widow" since Joe Tansky got married. However, not one to be left behind, "Poughkeepsie" has been holding hands lately and has his eye set on matrimony too. A contributor to Abstracts and Dental Columbian, Stan is headed for an internship, and then . . . Poughkeepsie, beware!



MORTON LOUIS SHAPIRO

Morty, who came to us with a BS from Willamette where he served as a Navy V12, surprised us all with the energy he has to keep him going on a dozen or more projects at once. Starting out as Freshman Class Secretary, Mort rose to become President of AO and the Senior Class while holding down the Editorship of Dental Abstracts and a seat in Jarvie and the Student Council. Considered top-notch by his classmates and frequently approached for advice on the proper technique, he should have received a teaching salary. Mort intends to enter group practice. His specialty? Over 100 points of C & B with 55 points required.



LEONARD ALLEN SHERR

Formerly a medical technician and physics instructor, Len succumbed to family ideologies and turned to dental surgery. Joining us after CCNY, Illinois, Wisconsin, and Columbia, he immediately became popular as the first to hand out cigars with the birth of a daughter, and this, during an anatomy exam. Busy as a Badger, Len is Director of a Boys' Club (evenings), Senior Class Representative and Vice-President of Student Council. A writer by second nature, and on the Editorial Boards of Abstracts and Dental Columbian, he has many times seen his literature published in Dental Students Mag. After interning at Metropolitan Hospital Len plans to associate and specialize in Oral Surgery.



### JOSEPH TANSKY

The letters "MP" in the Army gave Joe some authority, but once at dental school he found these letters meant only State Board set-ups on Saturdays; so he threw away his armband and went to work. His sense of humor, regarded as the best, is outshone only by his spelling ability. For who can forget: "Tansky? How do you spell solder?" . . . "Easy! Like fodder with an 's.'" The Brooklyn College Historian turned Dentist, saw his sister wed to Furgang, his roommate, before he took the big step himself and left Schwartz rooming alone. A contributor to Abstracts and Dental Columbian, Joe may interne before entering general practice.



### VINCENT CLIFFORD TIERNAN

After a collegiate career as a track star at Manhattan College, Vince ran into the Navy Air Corps and flew all the way to China and back before landing at Columbia. The class fashion plate who can always tell you what the well-dressed dentist will wear, Vinny is also a philosopher in his own right. A vital factor in keeping up the class spirit VCT has many times shouted out those words of wisdom, "Tighten up men! You're too relaxed!" This always returned the class to normal. A skilled operator, professionally and socially, Vin will go a long way in any endeavor he may care to undertake.





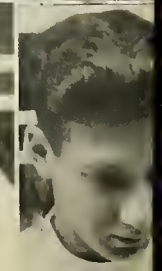
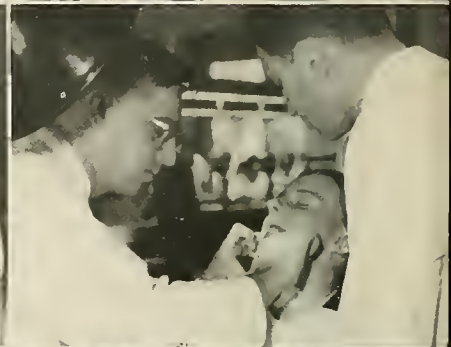
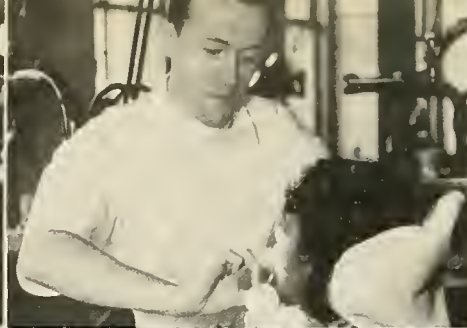
GEORGE GERARD VAIRO

"Frenchy" parachuted into our midst four years ago, removed his Captain's bars and started wrestling with anatomy and cavity preparations. A Fordham graduate and Advertising Manager of the Dental Columbian, George is always good for a laugh or a song, if you remember his serenade to Doctor Cul-lita in the Dental Anatomy course. The most traveled member of the class (George took a honeymoon trip that included France, Italy, Switzerland, Algiers and all points this side of Minsk)—this fellow really gets around. Married at the end of the third year, the man with that green convertible plans to indulge in private practice in the near future.



HOWARD BERNARD VOGEL

Howie, fresh from CCNY, Bates, and the University of Rochester, joined our ranks unheralded, but soon became the most popular raconteur in the class. His stories and imitations in the Baron Munchausen vein have stopped many laboratory sessions cold while everyone listened appreciatively. Howie's fresh air convertible (with the new clutch) is famous as the vehicle that always arrives just in time to make all passengers five minutes late for class. A junior internship developed his talent for culling teeth to accurately fit pre-cast crowns, so Howie has accepted a Metropolitan Hospital internship to do even better.







# Class of 1951





Reluctantly, as the summer waned, the Class of '51 stored away pleasant vacation memories for the winter and prepared for the onslaught of patients and faculty. At first it was a question of who was more frightened, the patient or the student, but after a while social talents asserted themselves, aided by the strategic value of a tray of hot compound in silencing embarrassing questions. Some of us became expert in carrying on a conversation with a rubber-dammed patient. It's very easy if you just rest a finger on the larynx—a little like lip reading. Or you can keep a pad and pencil within easy reach.

We soon learned that the Junior year is one long score card of points and units, and that notwithstanding gigantic efforts, the ultimate goal of 529 points is in the nature of an ideal. The mountain labors and brings forth a pit amalgam. To put it another way, the average millionaire couldn't afford to pay us by the hour. Even in Surgery the competition went on. It was rumored that one embryo surgeon among us extracted 85 teeth in 30 minutes. He says it was a lie, and besides they were all perio cases.

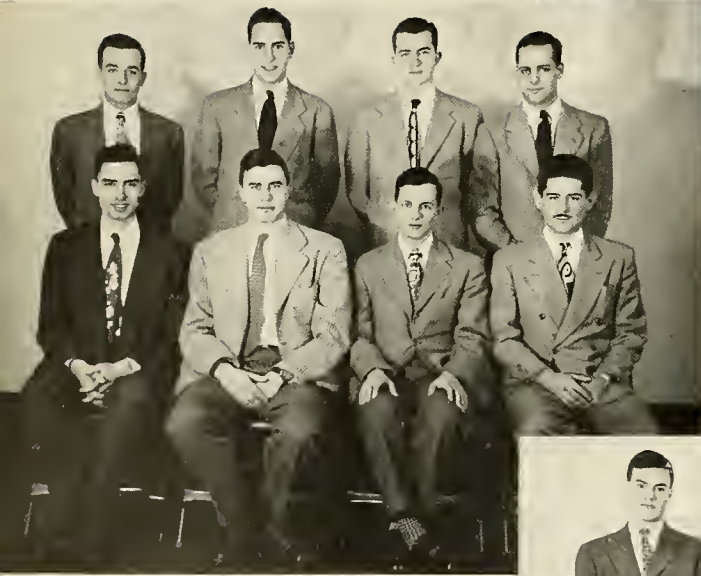
Many of us found Crown and Bridge a very satisfying course. You could leave your bracket table messy and yet account to Miss Bourque for every item. And the darndest things would happen. One of our number tried to clear the aspirator by holding his thumb over the water emptying into the bowl and only succeeded in baptizing his patient and himself. There was also the case of the dental chair that tipped backwards indefinitely, almost causing the patient to break a few teeth because of a too sudden contact with the floor. Well, it couldn't happen in a better place.

Most of us found the Junior year left us some free time in the evenings, because of the difficulty of fitting patients into "weasel kits." This spare time gave us an opportunity to catch up on our reading and outside activities, dental or otherwise. The end of each trimester, however, found us all scrambling to meet academic requirements.

Every course has its humorous aspects but only a small part of each day strikes the average dental student as funny. There are disappointments and frustrations but there is also the occasional day when everything goes right and the sense of improvement is strong. And so, with thanks to all those faculty members and students who daily help us along the rocky road, we say . . . on to '51!

HAROLD SILVERSTEIN

# Class of 1952



Spring fever came early last year. Anything that happened to us after the Physiology and Gross Anatomy finals was strictly anti-climax. It took almost a month to come out of our intellectual paralysis and to realize that we hadn't graduated yet. Freshman year had us feeling like well used punching bags. We had rolled from lecture to lab and note taking became as automatic as a Hering-Breuer reflex. Those Neuro-anatomy lectures in the dark after lunch finally cured Louis De Francesco of his insomnia. The Physiology department couldn't understand how Tom Samuels' cats never survived after 3:00 PM. Can we ever forget the famous "nystagmus experiment" with Ed Kessler being ejected from the Barany chair? Or the unexpected "face-wash" Dave Mason got as he was cannulating a cat's trachea? The first of our technique courses was Dental Anatomy—or "frustration in wax." The year rapidly came to an end and as we were bidding our farewells midst the balmy atmosphere of the T. G., Tom Helmer was reported 85 miles out of New York and still picking up speed.

Never did 28 students feel more anxious to get back to the old grind after a wonderful three month summer vacation. First, we gave the traditional free advice and a copy of Dodd's Embryology to the new Freshmen. Next came the purchase of our Sophomore instrument kit. Looking over our list of hatchets, surveyors and excavators had us guessing when construction would begin. We also met Miss Bourque this year. Have you seen the haircuts on Perry and Guido lately?

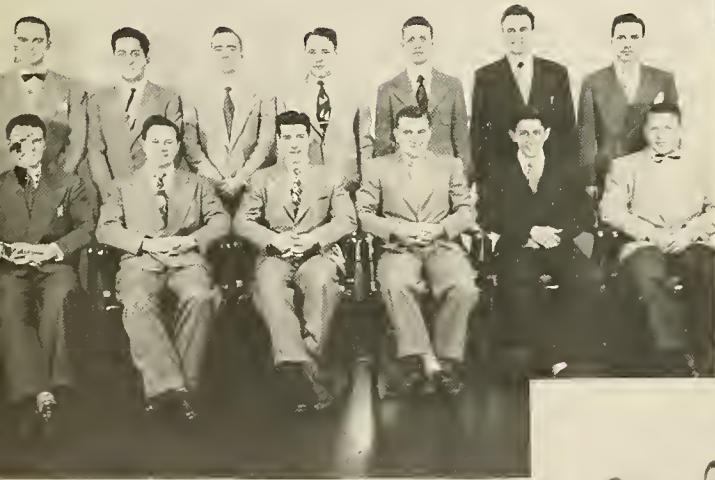
Second year finds us with the emphasis on technique, but Bacteriology, Pathology, and Pharmacology have received more than little of our attention. We have learned that first impressions aren't always lasting, that "luting the model" is not a criminal offense, and that green teeth aren't always green. Some things that will never cease to amaze a Sophomore: an inlay without a catch, a Senior waxing up a crown in ten minutes, and getting a set-up checked by Dr. Pleasure.

Norm Leefer, once a proud and staunch advocate of bachelorhood, took time out this year to get married. He thus joins Carmine Carucci, Matt Guido, Harry Kessler, Gunnar Sydow and Al Moglia. Al came to us from the University of Parma Medical School, Italy. In the Italian "underground," as commanding officer of a Partisan brigade, he had a distinguished war record.

As Sophomore Year draws to a close, the major portion of our foundation has been laid, and we are anxious to proceed to the superstructure—and patients! Our knowledge of the basic sciences correlated with our newly acquired skills shall serve as our armamentarium in the clinic.

JOSEPH C. DE LISI

# Class of 1953





Week # 1 told us a lot. When it was over, along with the usual swimming sensation compounded of the raw newness of everything and the all but physical reaction to having so many items thrown at us so nonchalantly, there had risen the beginning of a sense of genuine integration—the first look at a field at once arduous and solidly exciting.

And that integration, perhaps above any other single sensation, remained as the keynote of our freshman year. Its impact upon us as individuals has been varied, of course. Certain things, however, we shared in common; some we sought after, some were thrust our unwilling way, some must have been there only for the sake of confusion.

We learned a new respect for detail. In an histology lab, with its endless careful seeing, everything became important—everything but the limits of human endurance.

We discoursed wisely of structure and function, using such prosaic weapons as a scalpel and 1200 cc. of salt water to attack the mysteries of the supreme wisdom and economy of this mechanism we'd been carrying around all these years. We can never again doubt that the hypothalamus is very important.

And, wonders of wonders, through the innumerable crises and torments, some few managed to pick up enough to help the rest of us along. For these sages, incense at their shrine is but a poor token.

While all this was going on, a group of people fitted together into a class and began collective activities. Cooperation is a big thing—after all, one man can't turn that body over all by himself. We chose our officers, smeared one another's kymograph, found out how many seconds there were in a minute, planned, suffered and worried together. Everything from a party to an exam was given communal consideration. The code of chivalry, observed in deference to the female contingent, is surprisingly no nearer to death than it was in September. Acting together scholastically, we raced as one man to fill the first row in class; but it was no use—he had gotten there before us. Wheels turned, bells rang, elevators rose (but not at the right time); the class of 1953 had definitely arrived.

Now we can relax a bit and look ahead. As yet we haven't been allowed within shouting distance of anyone who can fight back, but it can't stay that way forever. One day there will have to be a real patient and a real problem to be solved. But of that another time. The first year has been a wonderful one; the rest can only be better.

IRA GORDON





## Dental Hygiene

Frances A. Stoll Ed.D.

*Assistant Professor of Dental Hygiene*

*Director of Courses for Dental Hygienists*

The education of dental hygienists as professionally trained auxillary workers in dental health has reached a milestone. The class of June, 1950 represents the first group to be graduated from Columbia University with the degree of bachelor of science in dental hygiene. In 1947 the trustees of the University decided that if auxiliary workers in the field of dental health were to be sufficiently educated to assume professional responsibility for dental health services to the American people, it would require not less than four academic years of college education. Upon this basis the new curriculum for dental hygienists was planned. Results show that it is a desirable type of education. Graduates are now prepared to enter all fields of dental health including private office practice; institutions and hospitals; public health; dental health programs in schools.

The aim and purpose of the course is to give young women superior education so that they will provide expert aid to dentists and leadership for a young and growing profession. In the field of dental hygiene Columbia University pioneered in 1916 when the first class of dental hygienists was graduated. Again Columbia is pioneering by raising the standard of education for dental hygienists to a high professional level. This improvement in education is a valuable contribution toward better dental health for the nation.

FRANCES A. STOLL



Evelyn Hannon R. N., R.D.H.  
*Assistant in Dental Hygiene*

Barbara Fink R.D.H.  
*Assistant in Dental Hygiene*

## Class of 1950

One of the most memorable events . . . our boat trip to Bear Mountain. Will we ever forget . . . Our first orientation lecture—the non-flirtinization laws . . . The first days in manikin training with the backaches and foot cramps . . . The first tea in our honor . . . Our capping ceremony . . . Our anxiety over our first days in clinic . . . traipsing down to the 59th street clinic with our heavy cases . . . Dr. Rogers, our heart beat . . . Our private consultations with Dr. Applebaum after our first Histology exam . . . we were sorrier for him than for ourselves . . . Dr. Karshan and his alarm clock . . . Breaking roots in dental anatomy . . . Our trips to speech class after a long, hard day—Erma putting the manikin's teeth in upside down during the Manikin Training Exam . . . Helen's letter . . . Selene's engagement to Joe . . . Our trip to the Psycho-Dramatic Institute with Dr. Pritchard—we thought we were to be the spectators and turned out to be the subjects . . . Our visit to the Pratt Institute when ten of us piled into Dr. Pritchard's car . . . "The Quiet One" . . . The trip to the Children's Village—Andree's brother and his beautiful convertible . . . Dr. Bartels—the man we would most like to have as our father-in-law . . . Squirtling the spray bottles in the patient's faces . . . Closing up the 59th Street Clinic . . . Our final exams—we all looked as if we would never live through them . . . Miss Hannon, our friend and adviser. . .

Our second boat trip—now we were the mighty seniors . . . The new addition to our class . . . How pleased we were to have Barbara Fink as our new instructor—she is a wonderful person . . . How happy we were when Dr. Cuttita smiled at us . . . Gym class at Bard Hall—Carol's foot bath basin . . . Dinner at the Fireside Inn and after, the Modern Dance Interpretations at the City Center—Third Balcony, last row . . . Carol's engagement . . . Our trip to the sewage disposal plant . . . Our Lactobacillus Count Clinic at the Dental Convention . . . Our first day in Oral Surgery . . . Dr. McBeath—the man we would most like to be locked in the Kamen room with . . . Gaping at Harriet's beau when he came up to the clinic. The Juniors capping ceremony . . . Harriet's marriage . . . Opening the 59th Street clinic—trying to be cheerful while we scrubbed . . . GRADUATION DAY.

HELEN ELLINS





#### IRENE CZEL

Irene is from Bridgeport, Connecticut. She attended the Junior College of Connecticut and the University of Illinois. She was married in Bridgeport in 1946.

Irene has kept house for her husband, has commuted from Bridgeport every day, has served us ably as Class Treasurer and Secretary and has come smiling through our trials and tribulations.



#### HARRIET EDWARDS

Harriet is from New York City. She attended Swarthmore College and the University of Michigan where she received her B.S. degree in Zoology.

Florida Moonlight has more effect on Harriet than Florida Sunlight. She became Mrs. Sid Edwards, February 1, 1950.

#### HELEN ELLINS

Helen is from Miami, Florida and the University of Miami.

Helen is noted for her outstanding technical ability. Oh, those beautiful cusps she carved! She plans to return to Miami where we're sure she'll carve out a successful career.



#### BRYNA GOLDSTEIN

Bryna is from Springfield, Massachusetts. She attended the American International College.

Neatness and good taste have won for her the distinction of being one of the best groomed girls of the class. She intends to return to Springfield to embark upon her career.





#### ANDREE HEBERT, R.N.

Andree, our Class President, is from Magog, Canada. She attended the Sacred Heart Convent, the Institute Marguerite D'Youville and the Hotel Dieu Hospital, from which she received her R.N.

Andree has a brilliant future ahead of her as Director of Canada's first School for Dental Hygienists at the University of Montreal.



#### CAROL KANE

Carol is from Springfield, Massachusetts. She attended Wells College.

Springfield will lose a very efficient hygienist when Carol adds an M.R.S. to her B.S. in June and makes her home in New York. Springfield's loss is New York's gain.

#### IRMA KAPLAN

Irma is from Brooklyn, New York. She attended New York University.

A dental office will not be dull with Irma around. She has added the spark of life to our class for the past two years. Three cheers for Brooklyn.



#### SELENE OESTREICH

Selene is from the Bronx, New York. She attended New York University and Hunter College.

Her concern for her classmates has made Selene one of the most lovable members of the group. Joe certainly is a lucky boy.



## BARBARA RELKIN

Barbara is from New York City and attended New York University. She has served as Vice President of the class and as a member of the Columbia University Glee Club.

Her famous giggle and musical talent have made Barbara a favorite with her classmates.



## GLORIA SAPERSTEIN

Gloria is from Galion, Ohio. She has attended Capitol University and the University of Cincinnati.

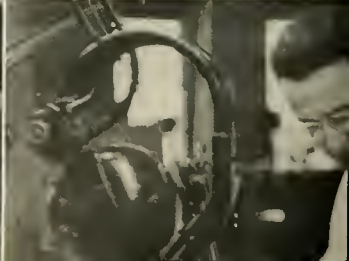
Gloria's winning smile will make her an asset to any dental office. She has proven her popularity with the dental profession already. Just ask Herb.



---

## Class of 1951









## Activities. . . . .



## Dental Columbian

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Dr. Solomon N. Rosenstein

We who are in the present graduating class will look at the date on the cover of this volume and remember it as one of the climactic points of our lives. But beyond this understandably selfish association, we and dentistry as a whole ought to stop and consider 1950 from the standpoint of the progress achieved by the profession during the first half of the 20th century.

Certainly this consideration must be followed by a feeling of collective pride, for more outstanding advances have been made between 1900-1950 than in any comparable period of time. From the standpoint of education, technical skill and prestige, dentistry has matured from adolescence to adulthood since 1900. It is a credit to the ingenuity and resourcefulness of the profession that the short span of fifty years has brought forth the discovery of the use of local anaesthesia for dental operations, the advent of the casting process, the fabrication of the acrylic resins, and the first cautious steps in the direction of effective caries control and prevention.

To symbolize and commemorate these advances of the first half of the century, the staff of the "Dental Columbian" has assembled a feature section dealing with the latest and as yet the most incompletely developed field of progress—namely the above-mentioned study of caries control and prevention. This topic was chosen specifically because it is not only symbolic of past accomplishment but indicates the direction the profession must follow in the next half-century. Certainly we have only scratched the surface of this our most fundamental problem, for we are still in the process of assembling the etiological picture of the disease entity, caries, and the mastering of its control and prevention has still eluded us.

The two contributing authors to the feature section, Dr. J. F. Volker and Dr. H. Trendley Dean are two of the country's foremost leaders in the study of the caries problem. In addition, Dr. Volker is Dean of Alabama University's Dental School and Dr. Dean is the Director of the National Institute of Dental Research. The "Columbian" Staff is extremely grateful to them for lending their talent and knowledge to the section.

Speaking of the staff—that term is so impersonal and sterile that it fails to convey the activity that was generated by an industrious group of people who transformed a few scattered ideas and facts into this compact chronicle of a class. It did not happen in "presto" fashion. It resulted from the sincere cooperation of people like Sol Savad, who not only arranged all photographic schedules with a Branch Rickey-like eye toward attendance, but also found time to snap all the candid shots. George Vairo and George Menken did yeoman service in soliciting enough advertisements so that the editors could loosen the purse-strings sufficiently to have full pictorial coverage. Jim Dowling rode herd on the entire school rounding up circulation, and it's a credit to him that he still hasn't an enemy. Len Sherr and George Loeffler of the editorial board were always on the spot to collect or contribute copy. To Dr. Rosenstein we are ever grateful for his warm cooperation and expert advice in attempting to make this book a valuable class memento. We hope we have achieved that goal.

MICHAEL RUSSO  
ALAN POMERANCE  
*Co-Editors*



## The William Jarvie Society

<i>President</i> .....	HYMAN A. CITRON
<i>Vice-President</i> .....	JULIUS JUSSIM
<i>Secretary</i> .....	HERBERT TOLNACH
<i>Treasurer</i> .....	MICHAEL A. RUSSO
<i>Faculty Adviser</i> .....	DR. SOLOMON N. ROSENSTEIN

The William Jarvie Society for Dental Research celebrates its twenty-fourth year of existence in 1950. It was founded in memory of William Jarvie, a benefactor of the Columbia Dental School. The society's aim is to encourage interest in dental research and education.

Each year new members are elected on a basis of scholastic standing, participation in extra-curricular activities and character. A basic interest in dental research is desired.

The annual dinner meeting is an event at which members of the profession engaged in research problems are invited to present their most recent work. At this meeting the new members are formally inducted into the society. In addition, several speaker meetings take place during the year.

### Seniors:

Carl M. Barlow	Herbert Jacklyn	Michael A. Russo
Hyman A. Citron	George Loeffler	Sol Savad
Stanford Harris	George Menken	Stanley I. Schwartz
Julius Jussim	Arthur Nebel	Morton L. Shapiro

### Juniors:

Eugene Cohen	Joseph Moschella	James G. Murphy
Dicran Goulian	Kenneth Murakami	Herbert Tolmach
Philip Kutner		Wilson T. Worboys

### Sophomores:

Daniel Glass	Monroe Gliedman	Richard Gliedman
	Robert Kahn	





## Student Council

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Morton Shapiro  
Leonard Sherr  
Maynard Lemrow  
Stanley Schwartz

#### *Sophomore*

Joseph Di Lisi  
Edward Kessler  
Gunnar Sydow

#### *Junior*

Roger Adams  
Gerald Murphy  
William Houser  
Kenneth Murikami

#### *Freshman*

Ira Gordon  
George Colter



DR. DANIEL E. ZISKIN

*Omicron Kappa Upsilon dedicates this  
page in memoriam to its beloved past  
president Dr. Daniel E. Ziskin*

## **Omicron Kappa Upsilon**

### **Epsilon Epsilon Chapter**

#### *Officers*

*President*.....DR. LEWIS R. STOWE  
*Vice-President*.....DR. MAURICE J. HICKEY  
*Sec'y-Treasurer*.....DR. EDWARD V. ZEGARELLI

Omicron Kappa Upsilon is the "Phi Beta Kappa" of Dentistry. Organized in 1914 our national honorary dental fraternity is now composed of over 57 active chapters in the various dental schools of the United States.

Under the provisions of the constitution, each chapter is allowed to elect to membership not more than twelve per cent of a graduating senior class. Election to such membership is based on excellence in scholarship and character during four years of attendance in Dental School.

Our chapter will soon perform our happy but difficult function of selecting for membership certain individuals from your class of 1950. Who they will be cannot be known as the Dental Columbian goes to press. To those of you who may be fortunate enough to be so honored, the members of Epsilon Epsilon Chapter extend a hearty and sincere congratulation. However, to those of you who may not be among the few chosen, the fraternity looks forward to the time when she may honor you for distinction in practice, teaching or research.

To each and every member of the class of 1950, Omicron Kappa Upsilon extends its heartfelt congratulations upon entering the profession of dentistry. May you at every moment in your careers forever advance the unselfish ideals which will further elevate and dignify the practice of dentistry.



## Dental Abstracts

*Editor*.....MORTON L. SHAPIRO

*Associate Editors*..... $\left\{ \begin{array}{l} \text{JULIUS JUSSIM} \\ \text{SOL SAVAD} \end{array} \right.$

*Editorial Board* HYMAN CITRON, ALAN POMERANCE, LEONARD A. SHERR,  
HAROLD SILVERSTEIN, AND JOHN A. STORELLA

*Faculty* DR. EDWARD V. ZEGARELLI .....Chairman  
DR. JACK BUDOWSKY.....Ass't Chairman

During its nine years of existence, the Dental Abstracts Society has been solely responsible for the publication "Dental Abstracts." Originally appearing as a mimeographed sheet, it has developed and expanded to such an extent that the present publication represents a worthy and professional contribution to the dental literature.

The extra-curricular functions of this society, i.e., abstracting of worthy articles of interest to dentistry including all its fields and specialties, preparation of abstracts for publication, proofreading, distribution of journals, etc., is now a year round responsibility of the students.

Student body participation in formulating the journal has been most stimulating. Not only does it actively sustain the undergraduate's interest in dental literature, but more important, it develops his ability to properly evaluate current research.



## Psi Omega

The first chapter of Psi Omega was formed at the Baltimore College of Dental Surgery in the spring of 1892, and since then the fraternity has grown to include twenty thousand members in over thirty chapters located throughout the United States. Now the largest dental fraternity, time has proven the worth of its foundation and strength of character. Tribute is to be paid not only to its founders but also to those capable men who through their zeal and faithful adherence to the standards of the fraternity have kept the organization alive.

The qualities the fraternity embodies are prudence, zeal, and integrity. Prudence guided the formation of those principles which have brought Psi Omega to its present status and guaranteed the future welfare of the group. Zeal is evident in all members, both alumni and student; and integrity of the whole develops brotherly spirit, closer association among colleagues and makes each member glad to be one of this fraternity.

In the recent conflict many of our members were posted throughout the world, caring for our men at base hospitals, battle lines, and on the high seas, thereby helping fulfill their obligation to humanity. They conducted themselves admirably as members of a noble profession and an honored society.

The active members of Gamma Lambda chapter have also felt the strains brought on by war. The location of the chapter in a large metropolis suffering from the housing shortage resulted in the loss of our fraternity house. The members have not been inactive, however, and fraternity functions have been proceeding at a slower but steady pace. Phil McManus has been leading the group as Grand Master ably assisted by Murphy as Junior Grand Master, De Lisi as Secretary and Samuels as Treasurer.

And so another year in the history of Gamma Lambda has passed. Those who are leaving shall always remember the pleasant associations and happy moments spent in fraternal gatherings and we hope that those who follow will have in some way gained from our presence.





## Alpha Omega

<i>President</i> .....	MORTON L. SHAPIRO
<i>Treasurer</i> .....	STANLEY SCHWARTZ
<i>Secretary</i> .....	GEORGE MENKEN
<i>Historian</i> .....	HERBERT JACKLYN

Alpha Omega came into existence forty-three years ago; with each passing year it has increased in size and influence till now it counts its members in the thousands throughout this country, in Canada, and South Africa.

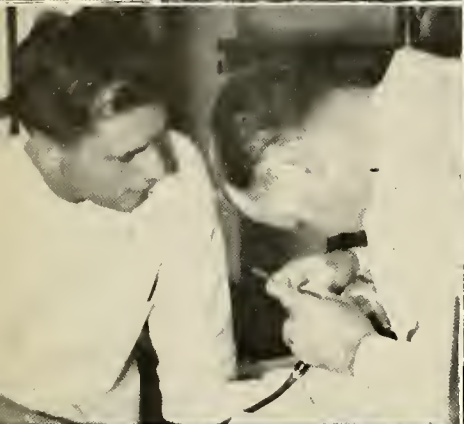
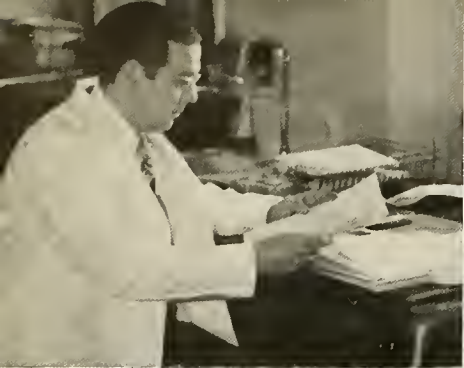
Here at Columbia the chapter has always been a spiritual tie and bond which has cemented together students with the common loyalties of fraternity and school.

This past year has seen a resurgence of vigor in this chapter. Membership is now on the upswing and fraters can look forward to a blaze of activity for the coming year as to socials, speaker meetings, and lectures.

Now the search is on for a place where we may hang our hats and coats, draw up an easy chair and consider ourselves at "home."

Elections have taken place for the new year, and the graduates wish to extend their best wishes to the new officers who are:

<i>President</i> .....	LEONARD SEIDENBERG
<i>Vice President</i> .....	ROBERT FINDER
<i>Treasurer</i> .....	HAROLD SILVERSTEIN
<i>Secretary</i> .....	STEPHEN BERGER
<i>Historian</i> .....	JEROME SELINGER





OUR PROBLEM

**Caries: Prevention and Control . . . . .**

# The Prevention of Dental Caries

By J. F. VOLKER

*Dean of Univ. of Alabama School of Dentistry*

In the last half of the 19th century, dental investigators accumulated sufficient experimental evidence to suggest that dental caries was primarily the result of the retention of refined carbohydrates on those surfaces of the teeth that were not self-cleansing. These materials were subsequently attacked by certain oral micro-organisms with the formation of products that either directly or indirectly caused the initial carious lesion.

During the first half of this century the hypothesis has been to put in innumerable tests, the overwhelming majority of which confirm the original belief. It has, for example, been possible to show that following the ingestion of refined carbohydrates the normal negligible oral concentration of sugar may within two minutes be elevated to over 2,000 mg. per cent (2%). The removal of the last vestige of the sugar, however, may take up to forty minutes. Similarly, it has been shown that the bacteria of tooth surface plaques rapidly break down the carbohydrates to organic acids. In caries-susceptible individuals the enamel surface pH may fall from a normal of 6.2 to 4.5 within two minutes. The return to the initial value requires approximately thirty minutes. Animal experimentation also lends credence to the hypothesis. The Syrian hamster has been shown to develop human-like caries when appreciable quantities of glucose, sucrose, and starch are added to their ration, the adequacy of the other dietary components notwithstanding. The importance of oral bacteria has been further confirmed by the demonstration that aseptic animals (those born and raised in a sterile atmosphere) do not develop dental caries even when fed high carbohydrate rations.

It seems reasonable, therefore, to picture dental caries as a disease in which refined carbohydrates and oral bacteria are attack forces and the enamel surface is a resistance force. It follows that we may control dental caries by reducing the potency of attacking forces; i.e., the oral bacteria and the refined dietary carbohydrates, or by increasing the resistance of the surface enamel.

The principal objective of dietary therapy should be a drastic reduction of certain carbohydrates containing foods, primarily the refined starches, cane sugar, and the syrups. Pastries, candies, flavored drinks, creamed foods, white bread and most desserts should be eliminated. These should be replaced by a ration containing principally meat, fish, poultry, dairy products, fresh fruit, vegetables and dark bread.

Theoretically at least antibacterial mouth washes and dentifrices merit consideration as caries control measures. These agents administered immediately following the ingestion of the fermentable carbohydrates should be non-toxic and long-acting. Of the many substances tested only penicillin, chlorophyll and the ammoniated compounds show promise of clinical use. Controlled clinical experimentation with each of these three agents is now being attempted and should determine their value in caries prophylaxis.

The possibility of increasing enamel surface resistance has a sound theoretical and clinical background. The topical application of at least one agent, sodium fluoride (2% solution), to clean, dry tooth surfaces has been shown to reduce tooth decay in children by approximately forty per cent. Recent evidence indicates that the therapy is similarly effective in adults. Epidemiological studies also support the belief that the resistance of the enamel to tooth decay can be accomplished by mass fluorination of the domestic water supply. At the present time this possibility is being tested experimentally on a large scale with encouraging preliminary findings. Other agents, including zinc chloride and zinc potassium ferrocyanide have also been advocated for increasing the caries resistance of the enamel surface. Controlled clinical experimentation is needed before these substances are used in routine caries prevention.



In reviewing the progress made in caries control in the first half of the century it is evident that for the most part we have been engaged in the accumulation of basic information. These endeavors have clarified our knowledge of the carious process to the extent that we may anticipate, within the foreseeable future, discovery of therapeutic agents that will greatly reduce the public health importance of tooth decay.

## Fluorine and Dental Health

By

H. TRENDLEY DEAN

Dental Director, PHS, Director, National Institute of Dental Research, National Institutes of Health, Bethesda 14, Maryland.

### *EPIDEMIOLOGY:*

Suggestions that fluorides have an effect on dental caries have made scattered appearances in the literature for the last half century or longer. When studies on endemic mottled enamel were begun attention was frequently called to the coexistence of a low caries prevalence in the same area. In 1931 the etiological relationship of fluorine to mottled enamel was demonstrated and subsequent studies indicated the quantitative relationship between the fluoride concentration and clinical effect. Beginning in 1938 a series of epidemiological studies was undertaken to determine quantitatively the effect of fluoride domestic waters on dental caries prevalence. It was at this general period that laboratory evidence suggested that fluorides had a significant effect on induced dental caries in experimental animals.

In the space allotted for this paper it is not possible to review the work accomplished in the various fields covered. However, the results of these studies may be summarized briefly as follows:

I. The use of a natural fluoride-bearing water at least during the period of tooth formation is associated with a decreased prevalence of dental caries.

II. This beneficial effect can be observed in areas where the concentration of fluorine in the water is below that threshold value where a significant amount of dental fluorosis is observed (1–1.5 ppm. F.).

III. A comparison of the results of dental examinations in fluoride areas vs non-fluoride areas suggests that the caries experience rate in children is reduced about 60% in the fluoride areas and the loss of first permanent molars is reduced by about 75%.

IV. Little increased benefit has been observed from the use of waters containing more than 1 to 1.5 ppm. fluoride (F.).

V. Most all the evidence suggests that the beneficial effects observed in children is also discernable in young adult life.

Such results have permitted the assumption that dental caries would be reduced by the use of an artificially fluorinated water during the period of tooth formation. On the basis of such an assumption many communities in this country have proceeded to add fluoride compounds, generally sodium fluoride, to their public water supplies. Preliminary results suggest a trend toward a beneficial effect; however, full evaluation of this procedure must await a few more years of observation in the various study areas.

### *TOPICALLY APPLIED FLUORIDES:*

Following the early epidemiological studies, some workers directed their attention to studies showing the effects of fluoride solutions applied topically to the erupted teeth. It was demonstrated that the fluoride content of powdered enamel could be increased by exposure to solutions of fluoride salts. The preliminary reports on small groups of individuals were very promising. Since the time of these early laboratory studies and preliminary clinical studies, numerous investigations have been completed. To date, these reports of clinical trials on the use of topically applied fluoride solutions permit the following conclusions:

I. The topical application of fluoride solutions to the crowns of teeth of school

children will significantly reduce the incidence of dental caries in teeth so treated. Most studies have shown this reduction to be in the neighborhood of 40%.

II. The best demonstrated technique to date consists of four topical applications of a 2% solution of sodium fluoride, the first application being preceded by a cleansing of the teeth.

III. The caries-inhibiting value of topically applied fluoride, as described above, can be observed during a three-year period following the first series of treatments.

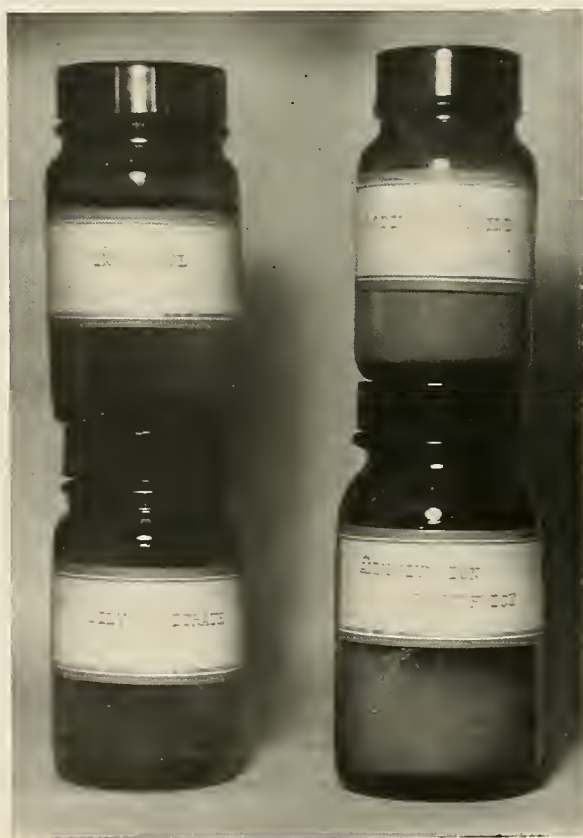
IV. Omitting the cleansing of the teeth prior to the first application will reduce the effectiveness of the fluoride treatment.

For a complete appraisal of the work in regard to the effects of fluorides on dental health, the reader is referred to the following:

1. Fluorine and Dental Health, Moulton, F. R., ed., publication 19, American Association for the Advancement of Science, Lancaster, Science Press, 1942.

2. Dental Caries and Fluorine, Moulton, F. R., ed., American Association for the Advancement of Science, Lancaster, Science Press, 1946.

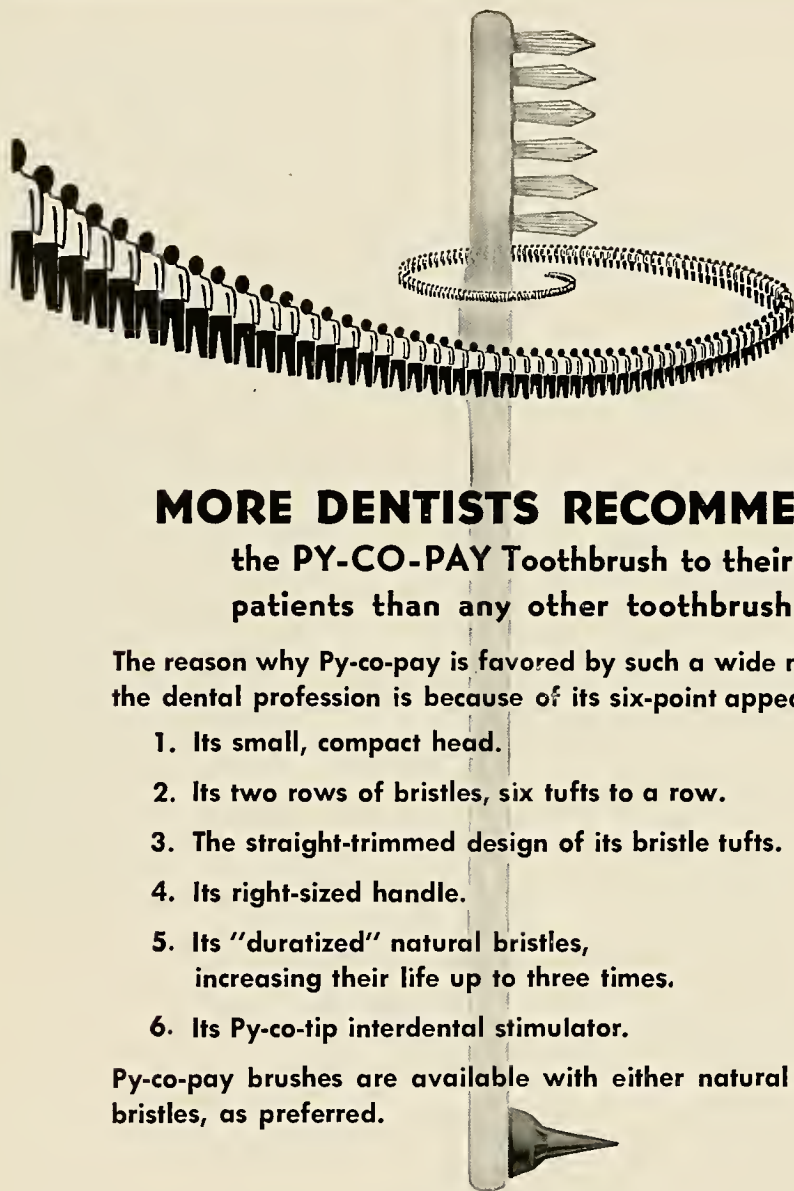
3. Dentistry in Public Health, Pelton, W. J., and Wisan, J. M., eds., Philadelphia, W. B. Saunders Co., 1949, Chapters 8 & 9.



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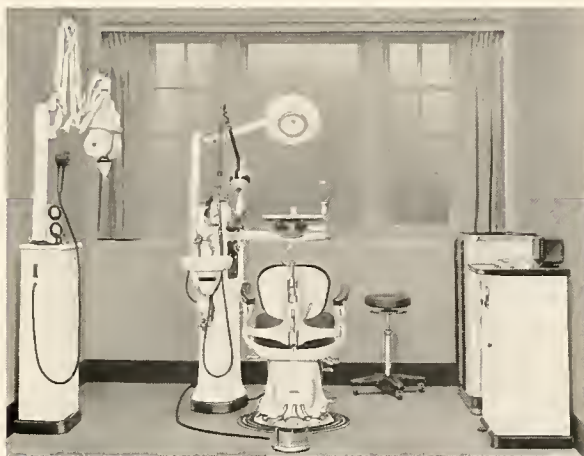
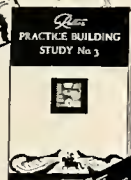
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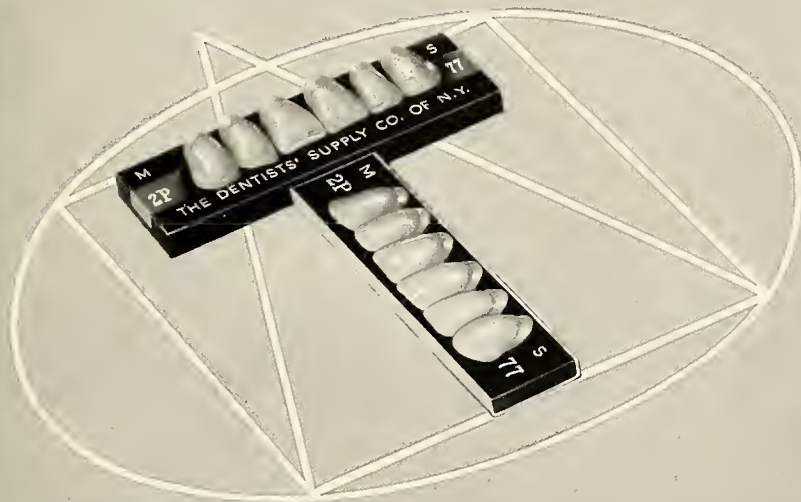
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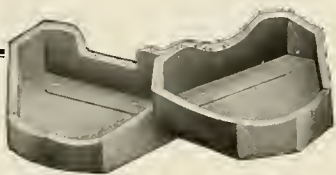
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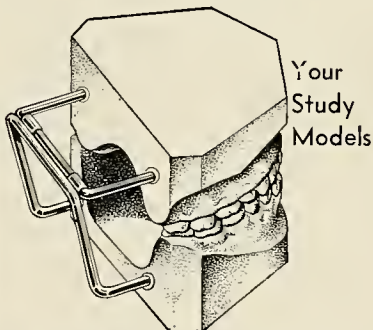
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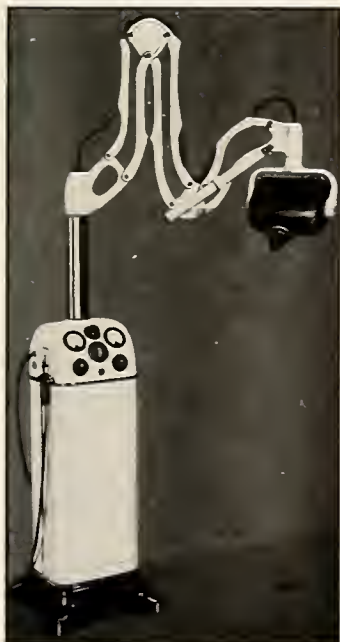
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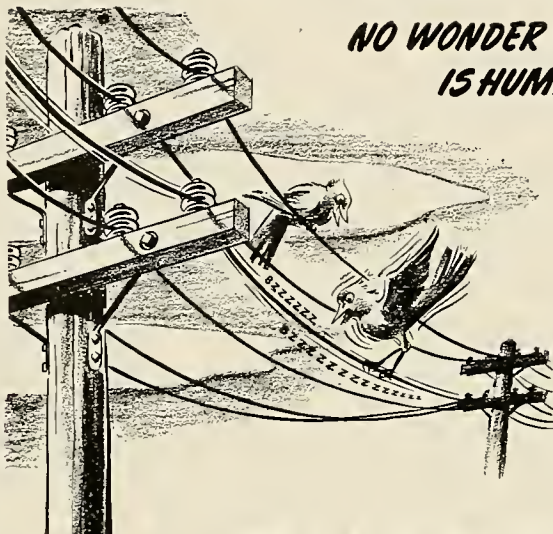
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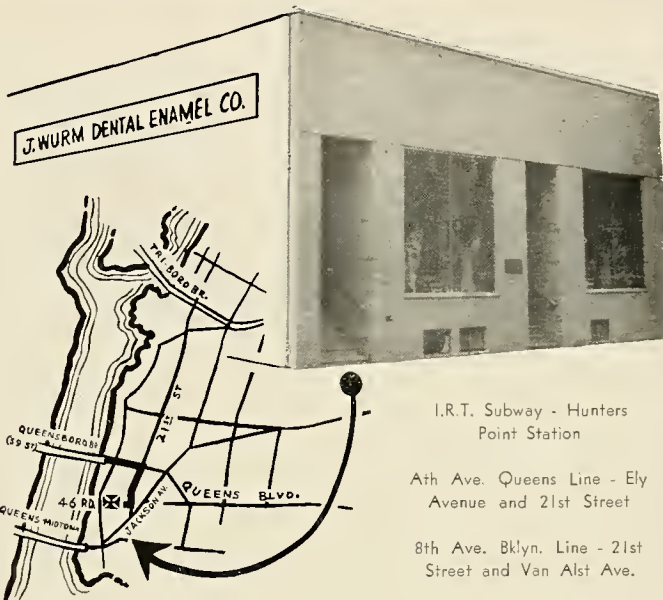
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